

Subject: Changes to HUP tryptase testing

Dear colleagues,

We will be changing the performance of our blood tryptase testing on October 1, 2018.

Tryptase is released into blood following mast cell activation. Measuring blood tryptase may be useful in the evaluation of patients with possible anaphylaxis or systemic mastocytosis. Following an anaphylactic episode, tryptase levels peak in 15 – 120 minutes and fall with a half-life of approximately 2 hours. In patients with systemic mastocytosis, tryptase concentrations are generally persistently elevated above 20 mcg/L.

Blood tryptase will now be tested in the HUP Endocrinology laboratory, rather than sent out to ARUP reference laboratories. The methodology, Phadia ImmunoCAP, will be unchanged.

Please continue to request this test using the same order code (TRYPTASE). Please contact the HUP Clinical Chemistry resident on-call or me directly any questions or concerns.

Sincerely,

Daniel Herman MD, PhD
Director, Endocrinology Laboratory
Hospital of the University of Pennsylvania
daniel.herman2@uphs.upenn.edu

References:

Schwartz, L. B. (2006). Diagnostic Value of Tryptase in Anaphylaxis and Mastocytosis. *Immunology and Allergy Clinics of North America*, 26(3), 451–463. <http://doi.org/10.1016/j.iac.2006.05.010>